

Re: Correction Factor to Apply to Cumulative Exposure in Marysville Workers

Bob Benson to: Eric Borton

08/03/2010 09:20 AM

From: Bob Benson/R8/USEPA/US

To: Eric Borton <eric.borton@uc.edu>

Cc: "Hilbert, Timothy (hilbertj)" <HILBERTJ@UCMAIL.UC.EDU>, "Lemasters, Grace (lemastgj)" <LEMASTGJ@ucmail.uc.edu>, "Lockey, James (lockeyje)" <lockeyje@UCMAIL.UC.EDU>, "Rice, Carol (ricech)" <ricech@ucmail.uc.edu>

The number of job changes was larger than I had hoped. My initial impression is that if you try to deal with all the changes in the month in which the change occurred, the task will turn into a spreadsheet horror show.

If I understand your proposed plan, all the job changes will be assigned to June 1, Sept 1, or Jan 1. I think this is acceptable. It will make the spreadsheet easier to set up and there are a lot of cases (66) where you have no specific information to use.

Here are the revised correction factor calculations. I used the same seasons for both sets of calculations and made a few changes for consistency.



Exposure Correction 2.doc

Eric Borton ---08/02/2010 04:24:50 PM---Bob, Here is a breakdown of instances going to/from an overtime department

From: Eric Borton <eric.borton@uc.edu>

To: Bob Benson/R8/USEPA/US@EPA

Cc: "Lockey, James (lockeyje)" <lockeyje@UCMAIL.UC.EDU>, "Rice, Carol (ricech)" <ricech@ucmail.uc.edu>, "Lemasters, Grace (lemastgj)" <LEMASTGJ@ucmail.uc.edu>, "Hilbert, Timothy (hilbertj)" <HILBERTJ@UCMAIL.UC.EDU>

Date: 08/02/2010 04:24 PM

Subject: Re: Correction Factor to Apply to Cumulative Exposure in Marysville Workers

Bob,

Here is a breakdown of instances going to/from an overtime department to/from a non-overtime department by month.

Month	1	2	3	4	5	6	7	8	9	10	11	12	Total
# Overtime Dept Change	7	6	4	10	7	75	8	8	5	15	7	6	158

We are proposing to modify the month someone changes departments to the beginning of the next season if their change occurs at any time during one of the three seasons. For example, if someone reported changing a department in March then their department change would be modified to occur on June 1.

The value in June reflects an in-house rule assigning the month of June for job changes during the year when the month was not reported by the worker (n=66).

If this seems reasonable then could you calculate the work schedule for office, pilot plant, central maintenance and research by season as you did for those who worked > 40 hours a week?

Eric

On 7/29/2010 5:08 PM, Benson.Bob@epamail.epa.gov wrote:

Here is the modified Correction Factor memo. I added a correction factor by season for the overtime departments and added an instruction on how to deal with a person who worked less than the full season.

(See attached file: Exposure Correction 2.doc)

I hope you have an easy of determining how many people might have switched from an overtime department to a non-overtime department and vice versa. We can figure out the best way of proceeding if we know the magnitude of the problem.